1.Five-item version of the International Index of Erectile Function (IIEF-5) questionnaire to detect ED

Ref:

erectile function, orgasmic function, sexual desire, intercourse satisfaction, and overall satisfaction. Each item was rated on a 5-point scale. Men with a score of ≤21 (range 5–25) were considered to have ED. The IIEF-5 score was divided into five groups: 1–7, severe ED; 8–11, moderate ED; 12–16, mild–moderate ED; 17–21, mild ED; and 22–25, no ED [12]

2. International Prostate Symptom Score (IPSS)

https://www.ncbi.nlm.nih.gov/books/NBK65052/

3. Core Lower Urinary Tract Symptom Score (CLSS)
Questionnaire : Please circle the number that applies best to your urinary condition during the last week.

	0	1	2	3
Q1: How many times do you typically urinate from waking in the morning until going to sleep at night?	0–7	8–9	10–14	15+
Q2: How many times do you typically urinate from going to sleep at night until waking in the morning?	0	1	2–3	4+

How often do you have the following symptoms?	Never	Rarely	Sometimes	Often
Q3: A sudden strong desire to	0	1	2	3

	0	1	2	3
urinate, which is difficult to postpone				
Q4: Leaking of urine because you cannot hold it in	0	1	2	3
Q5: Leaking of urine when you cough, sneeze, or strain	0	1	2	3
Q6: Slow urinary stream	0	1	2	3
Q7: Need to strain when urinating	0	1	2	3
Q8: Feeling of incomplete emptying of the bladder after passing urine	0	1	2	3
Q9: Pain in the bladder	0	1	2	3
Q10: Pain in the urethra	0	1	2	3

CLSS (Sum of Q1–10) _____

From symptoms 1–10, please circle the numbers corresponding to *no more than three* symptoms you find bothersome.

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Not applicable

Of the symptoms you chose above, please circle the number of the symptoms that you find most bothersome (1 only).

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Not applicable

If you were to spend the rest of your life with your urinary condition just the way it is now, how would you feel about that?

Delighted	Pleased	Mostly satisfied	About equally satisfied and dissatisfied	Mostly dissatisfied	Unhappy	Terrible
0	1	2	3	4	5	6

4. MSF-4 scoring formula

The final MSF-4 score is calculated in two steps:

Calculate the mean score: Take the average of the responses to the four questions. The questionnaire consists of the following four items:

Interest in sex

Quality of erection

Achievement of ejaculation

Achievement of orgasm

Apply linear transformation: Convert the mean score to a 0–100 scale using the following formula:

(Mean score÷5)×100open paren Mean score divided by 5 close paren cross 100

(Mean score÷5)×100

The responses to the MSF-4 are given on a 6-point Likert scale, with scores from 0 to 5.

Interpretation: Lower scores on the MSF-4 indicate better-preserved sexual function, while higher scores suggest more difficulty.

Important considerations for calculation:

If a patient has more than two missing answers, the total score cannot be calculated.

When a score is calculated from three or four non-missing answers, use only those available answers to calculate the mean score.

Example calculation

Here is an example to illustrate how to compute the MSF-4 score:

Patient's raw scores: Assume a patient's responses are as follows:

Interest in sex: 1 (severe dysfunction)

Quality of erection: 2 (moderate dysfunction)

Achievement of ejaculation: 1 (severe dysfunction)

Achievement of orgasm: 0 (no dysfunction)

Calculate the mean score: Add the scores and divide by the number of items.

(1+2+1+0)÷4=4÷4=1open paren 1 plus 2 plus 1 plus 0 close paren divided by 4 equals 4 divided by 4 equals 1

(1+2+1+0)÷4=4÷4=1

Perform the linear transformation:

(1÷5)×100=0.2×100=20open paren 1 divided by 5 close paren cross 100 equals 0.2 cross 100 equals 20

(1÷5)×100=0.2×100=20

Final result: The patient's final MSF-4 score is 20.